

## Summer 2009 Climate Information

Summer 2009 began on Sunday, June 21, 2009 at 1246 AM CDT, and will officially end this year on Tuesday, September 22, 2009 at 419 PM CDT, when the Fall of 2009 officially begins. In 2008 the summer solstice came on June 20th, the first time since 1896 that summer has come on the 20th of June.

The table below lists a climate summary at Austin, Del Rio, and San Antonio for June through September. The average high and low, based on the latest 30 Year Normals from 1971 to 2000, are listed for June, July, August, and September. The All-Time High and All-Time Low for each month is also listed. For Precipitation, the latest 30 Year Normal for 1971 to 2000 is shown under Average Rainfall, and the All-Time Driest and Wettest June, July, August and September of Climate Record is shown.

### Austin/Mabry

Month	High	Low	All time High	All time Low	Average Rainfall	All Time Driest	All Time Wettest
June	90.9	71.1	108	51	3.81	0	14.96
July	95.0	73.4	109	57	1.97	0	12.80
August	95.6	73.3	110	58	2.31	0	10.88
September	90.1	68.8	112	41	2.91	0	20.78

### Austin/Bergstrom

Month	High	Low	All time High	All time Low	Average Rainfall	All Time Driest	All Time Wettest
June	91.1	71.8	109	56	3.42	Trace	15.59
July	95.2	74.0	106	62	2.03	0	9.77
August	95.3	73.6	108	60	2.51	Trace	8.91
September	90.1	68.9	112	45	2.88	0.02	9.36

### Del Rio

Month	High	Low	All time High	All time Low	Average Rainfall	All Time Driest	All Time Wettest
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<b>June</b>	<b>93.7</b>	<b>72.1</b>	<b>112</b>	<b>49</b>	<b>2.34</b>	<b>Trace</b>	<b>13.71</b>
<b>July</b>	<b>96.2</b>	<b>74.3</b>	<b>111</b>	<b>63</b>	<b>2.02</b>	<b>Trace</b>	<b>13.18</b>
<b>August</b>	<b>96.0</b>	<b>74.1</b>	<b>109</b>	<b>62</b>	<b>2.16</b>	<b>0</b>	<b>20.93</b>
<b>September</b>	<b>90.6</b>	<b>69.4</b>	<b>110</b>	<b>43</b>	<b>2.06</b>	<b>Trace</b>	<b>15.79</b>

### **San Antonio**

<b>Month</b>	<b>High</b>	<b>Low</b>	<b>All time High</b>	<b>All time Low</b>	<b>Average Rainfall</b>	<b>All Time Driest</b>	<b>All Time Wettest</b>
<b>June</b>	<b>91.4</b>	<b>71.6</b>	<b>107</b>	<b>48</b>	<b>4.30</b>	<b>Trace</b>	<b>11.95</b>
<b>July</b>	<b>94.6</b>	<b>74.0</b>	<b>106</b>	<b>60</b>	<b>2.03</b>	<b>0</b>	<b>16.92</b>
<b>August</b>	<b>94.7</b>	<b>73.6</b>	<b>108</b>	<b>57</b>	<b>2.57</b>	<b>0</b>	<b>11.14</b>
<b>September</b>	<b>90.0</b>	<b>68.8</b>	<b>111</b>	<b>41</b>	<b>3.00</b>	<b>0.01</b>	<b>15.78</b>

### **Summer Weather Summary**

**For Central and South Central Texas, July and August are nearly equally hot on average; however, the extremes for the summer show September 5, 2000 as the hottest day for Austin and San Antonio and June 9, 1988 the hottest day at Del Rio from June to September. One of the hottest 5 day periods of any summer came September 1st to 5th, 2000. On September 5, 2000 the all time record highs of 112 came at Austin Mabry and Austin Bergstrom, with 111 at San Antonio. The all time high at Del Rio was 112 on June 9, 1988. In Year 2000 the hottest day at Del Rio was 110 on September 6th, 2000.**

**July 1980 and July 1998 ties as the warmest month and July on record for San Antonio. July 1998 was by far the warmest month and July for Del Rio, with July 1980 coming in as the second warmest July at Del Rio. At Austin the warmest month and July of record was July of 1860. During the hot summer of 1998, July was the 4th warmest July at Austin Mabry and 6th warmest July at Austin Bergstrom.**

**Moderated temperatures have come in the summer also, as this was common in recent years in the summers of 2004 and 2007. After the heavy rains and flooding from late June to Mid July 2002, conditions moderated somewhat for a few weeks, and then the days warmed up again in August to the early part of September 2002. In July of 1976 the area was affected by a rainy period from early July to around July 20th. July 1976 was the coolest July of record for Del Rio and Austin Bergstrom. At San Antonio July of 1976 ties with July 1903 for the coolest July of record. At Austin Mabry July 1976 was the 4th coolest July. July 1907 was the coolest of record for the Austin City climate location, now Austin Mabry.**

Although many summers over parts of Central and South Central Texas have been hot and dry, some summers have brought periods of heavy rain and flooding. A few floods from the past are mentioned here. The Summer of 2007 was very wet, and brought many flooding episodes. Since 1993, floods came to the area in June 1993, August 1994, June 1997, August 1998, June 2000, late August of 2001, late June to Mid July 2002, June 2004, and occasionally in the summer of 2007. During a dry year overall in 1988, rainfall came to the area in June, July, August, and September. Before the summer of 1988 ended, the remnants of Hurricane Gilbert affected the area, and brought with it rains to the area. Another relatively dry year in 1961, saw more rain showers come to the area in the summer also. An extreme flood event came to the area at the end of the summer season in 1921. From September 8 to 10, 1921 a widespread flood event affected parts of Central and South Central Texas, from Williamson County and Austin to San Antonio. The greatest amount of rain fell in Williamson County. A hurricane entered northeast Mexico on September 6th, 1921. The remnants of this hurricane moved north across South Texas the 7th and 8th. As the remnants of the hurricane arrived over South Central and Central Texas, a very heavy rain event followed. This flood caused 215 fatalities. Thrall in eastern Williamson County received 23.4 inches of rain in 6 hours; 31.8 inches in 12 hours; and 38.2 inches of rain in 24 hours. Taylor had 23.11 inches of rain in 24 hours. Storm total rainfall at Thrall was 39.70 inches and at Taylor 23.98 inches. Austin had its wettest day of record September 9, 1921 with 15.00 inches of rain and then 4.03 inches of rain the following day on the 10th. In a 24 hour period Austin received 18.23 inches of rain from September 9th to 10th, 1921. September 1921 is the wettest month of record for Austin with 20.78 inches of rain. San Antonio experienced serious flooding as heavy rains fell on San Antonio and the Olmos Basin. San Antonio received 6.83 inches on September 9, 1921. During the September 8 to 10, 1921 flood, northern parts of Bexar County received 18 inches of rain in 24 hours.

For Austin July of 1919, with 12.80 inches, was the wettest July of record. In June 1935 widespread heavy rains and floods came to the area. At Del Rio 13.78 inches of rain fell, making June 1935 the wettest June for Del Rio. Rainfall variability was very extreme in the 1950s, when a long drought came from 1951 to 1956. Although these were drought years, it was briefly interrupted by floods in 1952 and in the summer of 1954. The 1954 flood was the result of the remnants of Hurricane Alice that moved near and north of Del Rio in late June of 1954. In the midst of a long drought, a flood occurred from north of Del Rio, down stream on the Rio Grande River to Eagle Pass, Laredo, and south of Laredo. Over 30 inches of rain fell north of Del Rio in late June of 1954. In July of 1976 heavy rains produced flooding west of San Antonio to the Rio Grande. Del Rio had its wettest July of record in 1976 with 13.18 inches of rain. A similar flood came in late June to Mid July of 2002 further east over the Texas Hill Country and adjacent parts of South Central Texas. During this flood event San Antonio had the wettest July with 16.92 inches of rain. Heavy rains in the summer of 2003 brought a few flood events, and this was followed by heavy rain events in June 2004, that brought flooding to the area.

The summer of 2007 was wet from late May through August and early September, with occasional flood events. In August of 2007, heavy rains associated with Tropical Storm Erin affected the area on August 16th. The heavy rains brought 5.73 inches of rain to San

**Antonio International Airport and 9.60 inches of rain at San Antonio Stinson Field on Thursday, August 16th, 2007. A few more rain events followed in late August and early September of 2007. This changed to drier weather conditions by Mid September 2007.**

**Although cold frontal passages are not as common in the summer, in some years cold fronts made it across the region. In late June of 1974 and late June of 1976 a cool front moderated temperatures for several days. In July of 1990, a weak cool front made its way across the area July 12th. This was followed by increasing clouds and rain the following weekend of July 14 and 15, 1990 through Monday, July 16, 1990. Cool fronts moving across the area in August of 1974 and August of 1992 brought scattered rains to the region. A strong cold front in early June of 1919 left lows on June 3rd, 1919 of 48 at San Antonio, 49 at Del Rio, and 52 at Austin. Another strong cold front in early June of 1926 left a low of 51 at Austin on June 6th, 1926. A strong cold front in late August of 1915 left lows of 58 at Austin and San Antonio, and 60 at Del Rio on August 31st, 1915.**

**At the end of summer in mid to late September, the coolest lows for the summer season was 45 at Austin Mabry September 18, 1903; 47 at Austin Bergstrom September 19, 1981; and 46 at San Antonio September 19, 1981. At Del Rio the coolest lows were 51 September 20, 1971 and 50 September 21, 1913. Summer in 2009 officially ends on Tuesday, September 22, 2009 at 419 PM CDT, when the Fall of 2009 officially begins.**

**To view the sunrise and sunset for a specific date and location, [See Complete Sun and Moon Data for One Day from the U.S. Naval Observatory.](#)**